

WHAT IS CLAIMED IS:

1. An electrostatographic imaging member comprising a flexible supporting substrate, an imaging layer capable of retaining an electrostatic latent image, and an electrically conductive ground strip layer comprising a film forming binder and a first filler comprising a lignin sulfonic acid doped polyaniline dispersion.

2. An electrostatographic imaging member in accordance with claim 1, wherein said lignin sulfonic acid doped polyaniline is present in said electrically conductive ground strip layer in an amount of from about 20 to about 60 percent by weight of total solids.

3. An electrostatographic imaging member in accordance with claim 2, wherein said ligno sulfonic acid doped polyaniline is present in said electrically conductive ground strip layer in an amount of from about 40 to about 50 percent by weight of total solids.

4. An electrostatographic imaging member in accordance with claim 3, wherein said lignin sulfonic acid doped polyaniline is present in said electrically conductive ground strip layer in an amount of from about 35 to about 45 percent by weight of total solids.

5. An electrostatographic imaging member in accordance with claim 1, wherein said film forming binder is a film forming polymer selected from the group consisting of polycarbonate, polyester, polyarylate, polyacrylate, polyether, polysulfone, polystyrene, polyurethane, polyamide, polyimide, polyvinyls, polyalkylenes, and mixtures thereof.

6. An electrostatographic imaging member in accordance with claim 5, wherein said film forming binder is a polycarbonate selected from the group consisting of poly(4,4'-isopropylidene-diphenylene carbonate), poly(4,4-diphenyl-1,1'-cyclohexane carbonate), and poly(4,4'-isopropylidene-3,3'-dimethyl-diphenyl carbonate).

7. An electrostatographic imaging member in accordance with claim 1, wherein said electrically conductive ground strip layer further comprises a second filler selected from the group consisting of inorganic fillers, metal fillers, polymer fillers, carbon fillers, and mixtures thereof.

8. An electrostatographic imaging member in accordance with claim 7, wherein said filler is selected from the group consisting of polyalkylenes and polytetrafluoroethylene polymer filler.

9. An electrostatographic imaging member in accordance with claim 7, wherein said filler is a graphite filler.

10. An electrostatographic imaging member in accordance with claim 7, wherein said filler is a silica inorganic filler.

11. An electrostatographic imaging member in accordance with claim 7, wherein said filler is present in the electrically conductive ground strip layer in an amount of from about 1 to about 10 percent by weight of total solids.

12. An electrostatographic imaging member in accordance with claim 1, wherein said electrically conductive ground strip layer is positioned adjacent said imaging layer.

13. An electrostatographic imaging member in accordance with claim 12, wherein said electrostatographic imaging member further comprises an electrically conductive ground plane layer interposed between said substrate and said imaging layer.

14. An electrostatographic imaging member in accordance with claim 1, wherein said electrically conductive ground strip layer has a bulk resistivity from about 14×10^7 to about 1 ohms-cm.

15. An electrostatographic imaging member in accordance with claim 14, wherein said electrically conductive ground strip layer has a bulk resistivity of from about 135 to about 13 ohms-cm.

16. An electrostatographic imaging member in accordance with claim 1, wherein said electrically conductive ground strip layer has a thickness of from about 7 to about 42 micrometers.

17. An electrostatographic imaging member in accordance with claim 1, wherein said electrostatographic imaging member is in the form of a belt.

18. An electrostatographic imaging member in accordance with claim 1, wherein said electrostatographic imaging member is in the form of a drelt.

19. An image forming apparatus for forming images on a recording medium comprising:

a photoreceptor comprising a charge-retentive surface to receive an electrostatic latent image thereon, said electrostatographic imaging member comprising a flexible supporting substrate, an imaging layer capable of retaining said electrostatic latent image, and an electrically conductive ground strip layer comprising a film forming binder and a lignin sulfonic acid doped polyaniline dispersion;

a development component to apply toner to the charge-retentive surface to develop the electrostatic latent image to form a developed toner image on the charge retentive surface;

a transfer component to transfer the developed toner image from the charge retentive surface to a receiving copy substrate; and

a fixing component to fuse the developed toner image to the receiving copy substrate.

20. An image forming apparatus for forming images on a recording medium comprising:

a photoreceptor comprising a charge-retentive surface to receive an electrostatic latent image thereon, said photoreceptor comprising a flexible supporting substrate, an imaging layer capable of retaining said electrostatic latent image, and an electrically conductive ground strip adjacent to said imaging layer, wherein said electrically conductive ground strip layer comprises a film forming binder, a lignin sulfonic acid doped polyaniline dispersion, and a polytetrafluoroethylene filler;

a development component to apply toner to the charge-retentive surface to develop the electrostatic latent image to form a developed toner image on the charge retentive surface;

a transfer component to transfer the developed toner image from the charge retentive surface to a receiving copy substrate; and

a fixing component to fuse the developed image to the receiving copy substrate.